

## **JAEA Achieves World's First Successful Demonstration Test of ITER First Wall Shielding Blanket**

**The Japan Atomic Energy Agency (JAEA) announced on August 28, that it had achieved the world's first successful demonstration test of a production-scale model for a shielding blanket (first wall) that it had manufactured. The Agency has been engaged in related R&D toward the fruition of the International Thermonuclear Experimental Reactor (ITER).**

One of the key components of a fusion reactor, the blanket surrounds the plasma in the core, shielding the neutrons generated by fusion, absorbing the heat produced, and breeding tritium as fuel. Specific concepts and specifications in the construction of ITER have not yet been decided, and all the parties in the project are vigorously competing for the development of the blanket.

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